

SEQUENCE LISTING

Young, Elihu

<120> Lectin Compositions and Methods for Modulating an Immune Reponse to an Antigen

<130> 11111/2003I

<140> US 10/667,166

<141> 2003-09-19

<150> US 10/645,000

<151> 2003-08-20

<150> US 60/404,823

<151> 2002-08-20

<150> US 60/487,407

<151> 2003-07-15

<160> 31

<170> PatentIn version 3.2

<210> 1

<211> 11

<212> PRT

<213> Artificial

<220>

<223> Synthetic Peptide Spacer

<400> 1

Arg Ala Arg Asp Pro Arg Val Pro Val Ala Thr

1 5 10

```
<211> 11
<212> DNA
<213> Homo sapiens
<400> 2
cgaaaatttc c
                                                                      11
<210> 3
<211>
      148
<212>
      DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 3
aattccgcgc cggcacagtg ctcagagaca aactggtcaa gtgtgagggc atcagcctgc
                                                                     60
tggctcagaa cacctcgtgg ctgctgctgc tcctgctgtc cctctccctc ctccaggcca
                                                                     120
cggatttcat gtccctgtga ctgggtac
                                                                     148
<210> 4
<211>
      140
<212>
      DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 4
ccagtcacag ggacatgaaa tccgtggcct ggaggaggga gagggacagc aggagcagca
                                                                     60
gcagccacga ggtgttctga gccagcaggc tgatgccctc acacttgacc agtttgtctc
                                                                     120
tgagcactgt gccggcgcgg
```

140

```
<210> 5
<211> 50
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 5
ccgaattcat gtggctgcag aatttacttt tcctgggcat tgtggtctac
                                                                    50
<210> 6
<211> 50
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 6
cagccggctt tttggactgg ttttttgcat tcaaagggga tatcagtcag
                                                                    50
<210> 7
<211> 37
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 7
gtagccggcg ctagctcggg gtcttcttcc aagtcta
                                                                    37
```

<210> 8

```
<211> 40
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 8
40
<210> 9
<211> 26
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 9
tacggccggc acccacccgc tcaccc
                                                            26
<210> 10
<211> 31
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 10
tacggccgcc acaatgaaaa taagatacca t
                                                            31
<210> 11
```

<211> 38

```
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 11
gcgaatcccg gccggcaccc gcccgctcgc ccagcccc
                                                                    38
<210> 12
<211> 32
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 12
cageeggeet cetggaetgg eteceageag te
                                                                    32
<210> 13
<211> 32
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 13
tacggccggc acccgcccgc tcgcccagcc cc
                                                                    32
<210> 14
<211> 31
<212> DNA
```

```
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 14
tacggccgcc acaatgaaaa taagatacca t
                                                                    31
<210> 15
<211> 42
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 15
ccggcactag tggcggaggg ggctccggcg gcgggggcag cg
                                                                    42
<210> 16
<211> 42
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 16
ctagcgctgc ccccgccgcc ggcgccccct ccgccactag tg
                                                                    42
<210> 17
<211> 10
<212> PRT
<213> Artificial
```

```
<220>
<223> Synthetic Peptide Spacer
<400> 17
Gly Gly Gly Ser Gly Gly Gly Ser
               5
                                  10
<210> 18
<211> 26
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 18
atgctagcga cacaatatgt ataggc
                                                                  26
<210> 19
<211> 38
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 19
atggtacccg gccgttatca tctggattga atggacgg
                                                                  38
<210> 20
<211> 26
<212> DNA
<213> Artificial
```

```
<220>
<223> Synthetic Oligonucleotide
<400> 20
tacggccggc acccacccgc tcaccc
                                                                    26
<210> 21
<211> 38
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 21
atggtacccg gccgttatca tctggattga atggacgg
                                                                    38
<210> 22
<211> 32
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 22
ctgaattccg gccggacaca atatgtatag gc
                                                                    32
<210> 23
<211> 62
<212> DNA
<213> Artificial
```

<220>

```
<223> Synthetic Oligonucleotide
<400> 23
atggtaccgc tgccccgcc gccggagccc cctccgccac ttctggattg aatggacgga
                                                                    60
at
                                                                    62
<210> 24
<211> 29
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 24
acggtaccgc acccacccgc tcacccatc
                                                                    29
<210> 25
<211> 40
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 25
taggatcccg gccgtcattt ttggactggt tttttgcacg
                                                                    40
<210> 26
<211> 32
<212> DNA
<213> Artificial
<220>
```

```
<223> Synthetic Oligonucleotide
<400> 26
ctgaattccg gccggacaca atatgtatag gc
                                                                    32
<210> 27
<211> 40
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 27
taggatcccg gccgtcattt ttggactggt tttttgcacg
                                                                    40
<210> 28
<211> 35
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
<400> 28
gcgaattccg gccggcaccc gcccgctcgc ccagc
                                                                    35
<210> 29
<211> 29
<212> DNA
<213> Artificial
<220>
<223> Synthetic Oligonucleotide
```

<400>	29	
tagccg	gcct cctggactgg ctcccagca	29
<210>	30 .	
<211>	35	
<212>	DNA	
<213>	Artificial	
<220>		
<223>	Synthetic Oligonucleotides	
<400>	30	
gegaatteeg geeggeacee geeegetege eeage 35		
<210>	31	
<211>	38	
<212>	DNA	
<213>	Artificial	
<220>		
<223>	Synthetic Oligonucleotide	

38

<400> 31

atggtacccg gccgttatca tctggattga atggacgg